

DECLARATION OF PERFORMANCE

Nr.004_2025



1608 CPR P206
EN12899.1:2007
30/april/19
09/feb/24 (last update)

IGQ – INSTITUTO ITALIANO DI
 GARANZIA DELLA QUALITÀ –
 20099 Sesto San Giovanni (MI) –
 Via Giosuà Carducci, 125/A,
 Número: 1608

EN ISO/IEC 17020 - Inspection
 EN ISO/IEC 17021 - Certification of management systems
 EN ISO/IEC 17065 - Product certification

96/579/EC - Circulation fixtures (1/2) : - Road traffic signs and traffic control devices
 installed permanently for vehicular and pedestrian uses: permanent traffic signs (for
 circulation areas). EN12889.1:2007.



Ecoposte Com. e Serv. de Sinalização e Seg. Viária Eireli - EPP
 Rua Taperoá, 58, Brooklin Novo – 04571 São Paulo – Brasil

Factory – Rio Claro – São Paulo – Brasil

Name of product: Ecologic collapsible signpost for traffic signage						
Material: HDPE with steel rebar reinforcement						
Section	Size of section	Safety Classification	Breaking Moment	Max sign Area Single Legged	Max sign Area Double Legged	Multilegged (area per post)
Squared	5,5x5,5cm	100-NE-C-X-SE-MD-0	1000N.m	1,00m ²	-	-
Squared	8x8cm	100-NE-C-X-SE-MD-0	4000N.m	1,44m ²	4,50m ²	2,25m ²
Squared	10x10cm - dist ≥ 1,5m	100-NE-C-X-SE-MD-0	7750N.m	-	8,00m ²	4,00m ²
Squared	10x10cm - dist < 1,5m	100-LE-D-X-SE-MD-0	7750N.m	-	8,00m ²	4,00m ²
Squared	12x12cm - only - dist ≥ 1,5m	100-LE-E-X-SE-MD-1	17500N.m	-	16,00m ²	8,00m ²
Rectangular	7x15cm - dist ≥ 1,5m	100-NE-C-X-SE-MD-0	13750N.m	-	12,00m ²	6,00m ²
Rectangular	7x15cm - dist < 1,5m	100-HE-D-X-SE-MD-0	13750N.m	-	12,00m ²	6,00m ²
Circular	60mm	100-NE-C-X-SE-MD-0	1000N.m	1,00m ²	2,00m ²	1,00m ²
Circular	76mm	100-NE-C-X-SE-MD-0	3000N.m	1,44m ²	3,50m ²	1,75m ²

Resistance to flexure and torsion				
Section Size	Max Flexure (kN.m)	Stiffness for Bending EI (kN.m ²)	Max. Torsion (kN.m)	Torsional Hardness Gli (kN.m ²)
60mm	0,94	6,43	0,11	26,07
76mm	2,00	12,58	0,34	77,17
8x8cm	5,00	49,60	0,32	96,03
10x10cm	15,00	144,60	0,70	237,09

Characteristics	Clauses of EN	Class/Level	Notes
Resistance to horizontal loads	5.1	No	Not relevant
Resistance to bending/flexure	5.1	No	Table above
Resistance to torsion	5.1	No	Table above
Performance under impact	6.3	No	Described in the products list
Durability (corrosion resistance and penetration of dust and water)	7.1.7	No	SP0-Not required superficial protection

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Product performance	
Performance under vehicle impact according to EN 12767:2019, as reported in the reports:	
0091_ME_HRB_2018 – rect test 100km/h 0092_ME_HRB_2018 – sqrd test 35km/h 0095_ME_HRB_2018 – rect test 100km/h 0096_ME_HRB_2018 – sqrd test 35km/h 0008_ME_HRB_2019 – validation 1,5m install. 0128_ME_HRB_2023 – 10x10 small distance 35kmh 0130_ME_HRB_2023 – 7x15 small distance 35kmh	0102_ME_HRB_2022 – 12x12 test 100km 0104_ME_HRB_2022 – test 100km/h 8x8 w/ 2posts 0105_ME_HRB_2022 – 12x12 test 35km/h 0230_ME_HRB_2022 – 12x12 valid inst. 2 posts 0014_ME_HRB_2023 – round family tests 0129_ME_HRB_2023 – 10x10 small dist. 100kmh 0131_ME_HRB_2023 – 7x15 small distance 100kmh
Device usable as Multi-legged or Single legged In conformity to the Installation Manual	
São Paulo, august 04, 2025	
Fernando Cunha – Technical Director	 Fernando Cunha -